

FORM PTO-1449 MODIFIED						Docket No.: C330.104.101		Application No.: 10791104 Unknown	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION						APPLICANT: Nigel Langford et al.			
						NATIONAL STAGE ENTRY: October 12, 2004			
						GROUP ART UNIT: Unknown			
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
JC	5,636,035	06-1997	Whittaker et al.	 	 				
FOREIGN PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO		
JC	0 877 454 A1	11-1998	EP	 	 				
JC	43 31 847 A1	04-1004	DE	 	 		X		
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)									
JC	Bracewell, "The Fourier Transform and its Applications," pp.177-180, 1965.								
JC	Patent Abstracts of Japan, 07/27/1988, Abstract of JP 63182550								
JC	Namjou et al., "Sensitive Absorption Spectroscopy with a Room Temperature Distributed Feedback Quantum Cascade Laser," Optics Letters Vol. 23, No. 3, pp. 219-221, 1998.								
JC	Duxbury, "Infrared Vibraton-Rotation Spectroscopy," Chapters 5 and 9, 2000.								
JC	Kosterev et al., "Trace-gas Detection in Ambient Air with a Thermoelectrically Cooled, Pulsed Quantum-Cascade Distributed Feedback Laser," Applied Optics Vol. 39, No. 36, pp. 6866-6872, 12-2000.								
JC	Werle et al., "Near and Mid-Infrared Laser-Optical Sensorss for Gas Analysis," Optics and Lasers in Engineering, pp. 101-114, 2001.								
JC	Webster et al., "Quantum-Cascade Laser Measurements of Stratospheric Methane and Nitrous Oxide," Applied Optics, Vol. 40, No. 3, pp. 321-326, 01-2001.								
JC	Beyer et al., "Compact System for Gas-Measurements with Quantum-Cascade-Lasers," Third International Conference on Turntable Diode Laser Spectroscopy, 07-2001.								
JC	Normand et al., "Characterisation of the Spectral Behaviour of Pulsed Quantum Cascade Lasers using a High Resolution Fourier Transform Infrared Spectrometer," Optics Communications, 197, pp. 115-120, 09/15/2001.								
JC	Kosterev et al., "Trasportable Automated Ammonia Sensor Based on a Pulsed Thermoelectrically Cooled Quantum-Cascade Distributed Feedback Laser," Applied Optics, Vol. 41, No. 3, 01/20/2002.								
J.C.	Copy of International Search Report for Application No. PCT/GB03/01510.								
EXAMINER SIGNATURE				/Jonathon Cook/		DATE CONSIDERED			
						03/08/2007			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.									